

2662



*Uatt*

PATENT

Case Docket No. ENSEMB..006C1

Date: August 17, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Stanwood et al.  
Appl. No. : 09/859,561  
Filed : May 16, 2001  
For : METHOD AND  
APPARATUS FOR  
ALLOCATING  
BANDWIDTH IN A  
WIRELESS  
COMMUNICATION  
SYSTEM  
  
Examiner : Unassigned  
Group Art Unit : 2662

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

August 17, 2001

(Date)

*R. E. Campbell*

Richard E. Campbell, Reg. No. 34,790

RECEIVED  
AUG 23 2001  
Technology Center 2600

TRANSMITTAL LETTER

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231  
ATTENTION: APPLICATION BRANCH

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with twenty-eight (28) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

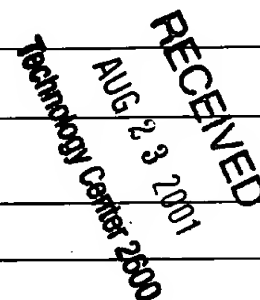
*R. E. Campbell*  
Richard E. Campbell  
Registration No. 34,790  
Attorney of Record



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ENSEMB.016C1APPLICATION NO.  
09/859,561INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Stanwood et al.FILING DATE  
May 16, 2001GROUP  
2662

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER      | DATE     | NAME                 | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
|---------------------|----|----------------------|----------|----------------------|-------|----------|---------------------------------|
|                     | 1  | 3,949,404            | 04/06/76 | Fletcher, et al.     |       |          |                                 |
|                     | 2  | 4,495,619            | 01/22/85 | Acampora             |       |          |                                 |
|                     | 3  | 5,297,144            | 03/22/94 | Gilbert, et al.      |       |          |                                 |
|                     | 4  | 5,420,851            | 05/30/95 | Seshadri, et al.     |       |          |                                 |
|                     | 5  | 5,444,698            | 08/22/95 | Kito                 |       |          |                                 |
|                     | 6  | 5,511,082            | 04/23/96 | How, et al.          |       |          |                                 |
|                     | 7  | 5,615,212            | 03/25/97 | Ruszczyk, et al.     |       |          |                                 |
|                     | 8  | 5,638,371            | 06/10/97 | Raychaudhuri, et al. |       |          |                                 |
|                     | 9  | 5,638,374            | 06/10/97 | Heath                |       |          |                                 |
|                     | 10 | 5,675,573            | 10/07/97 | Karol, et al.        |       |          |                                 |
|                     | 11 | 5,751,708            | 05/12/98 | Eng, et al.          |       |          |                                 |
|                     | 12 | 5,768,254            | 06/16/98 | Papadopoulos, et al. |       |          |                                 |
|                     | 13 | <del>5,805,069</del> | 10/27/98 | Webb                 |       |          |                                 |
|                     | 14 | 5,859,619            | 01/12/99 | Wu, et al.           |       |          |                                 |
|                     | 15 | <del>5,900,069</del> | 03/30/99 | Chu, et al.          |       |          |                                 |
|                     | 16 | 6,006,069            | 12/21/99 | Langston             |       |          |                                 |
|                     | 17 | 6,016,311            | 01/18/00 | Gilbert, et al.      |       |          |                                 |
|                     | 18 | 6,016,313            | 01/18/00 | Foster, Jr., et al.  |       |          |                                 |
|                     | 19 | 6,038,455            | 03/14/00 | Gardner, et al.      |       |          |                                 |
|                     | 20 | 6,094,421            | 07/25/00 | Scott                |       |          |                                 |
|                     | 21 | 6,112,080            | 08/29/00 | Anderson, et al.     |       |          |                                 |

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
|---------------------|--|--|
|                     | 22   | Lin., et al., "Error Control Coding, Fundamentals and Applications", Prentice-Hall Computer Applications in Electrical Engineering Series., 1993, pages 315-349. |
|                     | 23   | L.H. Charles Lee, "Convolutional Coding, Fundamentals and Applications", Artech House, Inc., 1997, p. 11-51.   |
|                     | 24   | Redl, et al., "An Introduction to GSM", Artech House, Inc., 1995; pages 84, 85 and 95.   |
|                     | 25   | C.E. Shannon, "A Mathematical Theory of Communication", Bell System Technical Journal, pp. 379-423 (Part I), 623-656 (Part II), 7/1948.                          |

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

(USE SEVERAL SHEETS IF NECESSARY)

FILING DATE  
May 16, 2001

GROUP  
2662

A circular stamp from the OIPE JC158 Patent &amp; Trademark Office. The text "OIPE JC158" is curved along the top inner edge, and "PATENT &amp; TRADEMARK OFFICE" is curved along the bottom inner edge. In the center, the date "AUG 21 2001" is stamped.

RECEIVED  
AUG 23 2001  
Technology Center 2600

[illegible]

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
|---------------------|--|--|
|                     | 26   | Ulm., et al., "Data-Over-Cable Interface Specifications, Radio Frequency Interface Specification", Hewlett Packard Interim Specification, Doc. Control No.: SP-RFII01-970321, published 3-21-97 by MCNS Holdings, L.P., Section 6, pgs. 43-85. |
|                     | 27   | Wolf, et al., "On the Weight Distribution of Linear Block Codes Formed From Convolutional Codes", IEEE, IEEE Transactions on Communications, Vol. 44:9, September 1996.  |
|                     | 28   | "Asynchronous Transfer Mode (ATM) Technical Overview", 2 <sup>nd</sup> Edition, Prentice Hall, October 1995, Chapter 3, pp. 21-25.   |
|                     |  |  |
|                     |  |  |

S:\DOCS\JFH\JFH-1408.DOC  
071901  
S:\DOCS\JFH\JFH-1456.DOC  
081601

|   |                 |
|---|-----------------|
| EXAMINER  | DATE CONSIDERED |
| <p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p> |                 |